

Radioactive Sources

 RRS photo

The **RRS Radioactive Reference Sources** feature:

- Traceable, certified 2 pi emission rates
- A safe and permanent container
- Accurate probe positioning for excellent repeatability.
- Hinged shutter for probe response checking at two count rates:
 - i) shutter open - rapid, accurate probe efficiency determination
 - ii) shutter closed - check at a nominal 10% of source emission rate.
- Colour-coded label indicating radionuclide and surface emission rate.
- Source active area matched to specific probe window area.

The **CK-1** Check Source #9480008 is a "stay alive" button source used to check Survey Meter functionality.

Probe	Source	Nuclide	Emission Rate
AP2/4A , AP2R , DP2/4A , DP2R/4A	RRS 21A	²⁴¹ Am Alpha	2400/s
AP3/4A , AP3R/4A , DP3/4A , DP3R/4A	RRS 31A	²⁴¹ Am Alpha	2400/s
AP5A , DP6A	RRS 51A	²⁴¹ Am Alpha	111/s
AP6A , DP8A	RRH 11B	²⁴¹ Am Alpha	56/s
BP4/4A,B,C	RRS 12A	¹⁴ C Beta	4000/s
BP7/4A	RRS 22A	¹⁴ C Beta	4000/s
BP6/4A , BP6R/4A	RRS 32A	¹⁴ C Beta	4000/s
BP19AD	RRS 52A	¹⁴ C Beta	1110/s
BP4/4A,B,C	RRS 14A	³⁶ Cl Beta	2150/s
BP7/4A , BP20/A , DP2/4A , DP2R/4A	RRS 24A	³⁶ Cl Beta	2150/s
DP6AD , DP6BD , DP6CD , DP6DD , BP19AD	RRS 54A	³⁶ Cl Beta	1110/s
BP13A	RRS 64A	³⁶ Cl Beta	1110/s
BP17A , DP8A	RRH 14B	³⁶ Cl Beta	550/s
GP13A	RRS 59A	¹²⁹ I Gamma	1110/s

